

SoftONE-NEST nesting software

SoftONE-NEST is powerfull CAM **true shape** plates nesting software for plasma, water-jet, oxy-fuel, and laser machines. The application is developed to assure that the highest cutting and nesting technologies, especially used by shipyards and shipdesign companies, are fully satisfied. Application use the best methods for parts nesting and together with its database platform make a strong nesting solution for sheet metal industries.

Base module - <i>Standard Features highlights</i>	Price
<ul style="list-style-type: none"> - Automatic parts imports from DXF CAD systems: automatically map layers to machine processes (cutting, marking, labeling); - True Shape Nesting; - Automatic CAD file correction and error notification; - Move, mirror, rotate parts; - Drag & drop and bump parts on the nest; - Part In Part Nesting; - Group part nesting/Array nesting - Automatic nesting /Manual (dynamic) nesting;; - Automatic collision detection; - Parts inventory; "Real time" counting of the nested parts; - Automatically update nest with part revisions; - Automatic NC tool path generation and optimization; - "By part " or "By process" nesting sequences; - Automatic or manual lead-in/out features; - Simulation of machine operation; - Nesting customizable shop reports & BOM - Export report directly to Excel "xls"/ "csv" or "pdf" file; - Nesting & production sketches DXF file export feature (DXF polylines on different layers according with machine processes); - Standard ESSI & EIA (G-Code) post processor; - Cutting/Marking/Labeling processes are supported; - Customized post processors according with customer machine settings. - Kerf tool compensation calculation. - Microsoft database for storing parts and nesting data; 	1200 Euro

Optional modules –Advanced Features	Price
<p>Plates inventory: Plate Inventory permits the creation and storage of rectangular, plates in an internal database. All new stock plates may be added to the plate inventory and utilized on an on going basis.. As plates are consumed during nesting, the inventory is updated. Users may assign properties to each plate (Material and Thickness, Paint sides info, Stock Number, Stock Quantity, Weight, Reserved etc.),This module will reduce material inventory and improve material utilization, in addition it's a perfect tool for inventory traceability.</p>	400 Euro
<p>Smart bridges nesting Bridge Cutting allows two or more parts to be linked by a narrow material connector (bridge). The user can add the bridges in automatic mode or manual mode.</p>	200 Euro
<p>Automatic nesting productions sketches Nesting sketches contain key production information are used by production workshop. This module help the production department for identification and traceability of the nested parts and for efficiency calculation. The nesting sketches are generated automatically and can be exported as DXF polylines on different layers according with machine processes. It and contain the following information: Project information, Plate sheet dimensions, material grade, nesting parameters (burning length, marking length, scrap material etc), table with drawing parts positions numbers; The nesting sketch fields and design are user customizable.</p>	400 Euro
<p>Contour Bevel (includes one custom bevel post processor) For users operating a cutting machine equipped with a programmable bevel head, the Contour Bevel Interface provides a seamless solution for creating the desired NC output</p>	2000 Euro

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Post Processors:	Price
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Standard Plasma and Oxyfuel Machine Post Processor: Includes scribe/mark support, feed rate by hole size, variable kerf output, voltage lockout, pre-piercing, etc. Support may vary by manufacturer and machine model	Included
Laser Machine Post Processor Provides support for fiber and CO2 laser systems. Functionality includes scribe/mark support, cut conditions by hole size, multiple pierce conditions, vaporization, sub-routines, etc. Support may vary by manufacturer and machine model	700 Euro
Waterjet Machine Post Processor Includes scribe/mark support, ORD file output, federate quality, lead-in and prelead-outtramping, dynamic piercing, etc. Support may vary by manufacturer and machine model	500 Euro
Customized Contour Bevel Machine Post Processor (requires Contour Bevel Machine Option). Support may vary by manufacturer and machine model	1000 Euro
Custom post processor – development of user customizable post processor can be performed	contact for pricing

Software Interfaces:

Aveva Marine Software Interface - contact for pricing;
Nupas Cadmatic Software Interface - contact for pricing
Smart Marine 3D Software Interface - contact for pricing;

Maintenance The annual software subscription provides online training, unlimited technical support updates and upgrades, when available. **Price: 20% from software list price.**